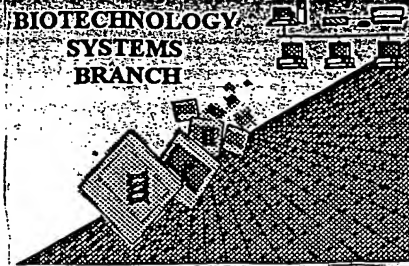


0280



## **RAW SEQUENCE LISTING ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/023,775  
Source: OIP  
Date Processed by STIC: 1/16/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

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VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND  
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Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom, including:

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2. U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202

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U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name,  
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202

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# RAW SEQUENCE LISTING PATENT APPLICATION US/10/023,775

OIPE

DATE: 01/17/2002  
TIME: 06:51:31

INPUT SET: S36722.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

## GENERAL INFORMATION: SEQUENCE LISTING

Does Not Comply  
Corrected Diskette Needed

### (1) General Information:

(i) APPLICANT: *↑ move up to (i) APPLICANT: line*

*delete*  
~~(A) NAME: Boehringer Mannheim GmbH~~  
~~(B) STREET: Sandhofer Str. 112-132~~  
~~(C) CITY: Mannheim~~  
~~(D) COUNTRY: Germany~~  
~~(E) POSTAL CODE: 68305~~

*insert these mandatory  
headings and responses*

(ii) TITLE OF INVENTION: Fanconi-gene II

(iii) NUMBER OF SEQUENCES: 2

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk  
(B) COMPUTER: IBM PC compatible  
(C) OPERATING SYSTEM: PC-DOS/MS-DOS  
(D) SOFTWARE: PatentIn Release #1.0, Version #1.30

6-1 CORRESPONDENCE ADDRESS:  
(A) ADDRESSEE  
(B) STREET:  
(C) CITY:  
(D) STATE:  
(E) COUNTRY:  
(F) ZIP:

*for a  
U.S.  
case*

(EPO)

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: US/09/977,801  
(B) FILING DATE:

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US/09/402,632  
(B) FILING DATE:

*↓ move down with separate  
headings*

### (2) INFORMATION FOR SEQ ID NO: 1:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 1026 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: both  
(D) TOPOLOGY: linear

(ix) FEATURE:

(A) NAME/KEY: CDS  
(B) LOCATION: 256..924

(ix) FEATURE:

(A) NAME/KEY: CDS

*EPO format is  
invalid for U.S.  
cases*

APR 01 2002

# RAW SEQUENCE LISTING PATENT APPLICATION US/10/023,775

DATE: 01/17/2002  
TIME: 06:51:32

INPUT SET: S36722.raw

(B) LOCATION: 430..924

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

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47
48
49
50
51   TTTCACCGTC TAGAGGCATA AGAGGTGAGC CCGTGCTCTT CAGCGGAGAA GATCCCCTAC      60
52
53   CTGGCCGCCG GCCACTTTCT GTGGGCCGTG GGGTCCTCAA GGAGACGGCC CTTGGGCTCA      120
54
55   GGGGCTGCGT TTCCACACGC GCCTTTCCCA GGGCTCCCGC GCCCGTTCCT GCCTGGCCGC      180
56
57   CGGCCGCTCC AACAGCAGCA CAAGGCGGGA CTCAGAACCG GCGTTCAGGG CCGCCAGCGG      240
58
59   CCGCGAGGCC CTGAG ATG AGG CTC CAA AGA CCC CGA CAG GCC CCG GCG GGT      291
60       Met Arg Leu Gln Arg Pro Arg Gln Ala Pro Ala Gly
61           1           5           10
62
63   GGG AGG CGC GCG CCC CGG GGC GGG CGG GGC TCC CCC TAC CGG CCA GAC      339
64   Gly Arg Arg Ala Pro Arg Gly Gly Arg Gly Ser Pro Tyr Arg Pro Asp
65       15           20           25
66
67
68   CCG GGG AGA GGC GCG CGG AGG CTG CGA AGG TTC CAG AAG GGC GGG GAG      387
69   Pro Gly Arg Gly Ala Arg Arg Leu Arg Arg Phe Gln Lys Gly Gly Glu
70       30           35           40
71
72   GGG GCG CCG CGC GCT GAC CCT CCC TGG GCA CCG CTG GGG ACG ATG GCG      435
73   Gly Ala Pro Arg Ala Asp Pro Pro Trp Ala Pro Leu Gly Thr Met Ala
74       45           50           55           60
75
76   CTG CTC GCC TTG CTG CTG GTC GTG GCC CTA CCG CGG GTG TGG ACA GAC      483
77   Leu Leu Ala Leu Leu Leu Val Val Ala Leu Pro Arg Val Trp Thr Asp
78       65           70           75
79
80   GCC AAC CYG ACT GCG AGA CAA CGA GAT CCA SAG GAC TCC CAG CGA ACG      531
81   Ala Asn Xaa Thr Ala Arg Gln Arg Asp Pro Xaa Asp Ser Gln Arg Thr
82       80           85           90
83
84   GAC GAG GGT GAC AAT AGA GTG TGG TGT CAT GTT TGT GAG AGA GAA AAC      579
85   Asp Glu Gly Asp Asn Arg Val Trp Cys His Val Cys Glu Arg Glu Asn
86       95           100           105
87
88   ACT TTC GAG TGC CAG AAC CCA AGG AGG TGC AAA TGG ACA GAG CCA TAC      627
89   Thr Phe Glu Cys Gln Asn Pro Arg Arg Cys Lys Trp Thr Glu Pro Tyr
90       110           115           120
91
92   TGC GTT ATA GCG GCC GTG AAA ATA TTT CCA CGT TTT TTC ATG GTT GCG      675
93   Cys Val Ile Ala Ala Val Lys Ile Phe Pro Arg Phe Phe Met Val Ala
94       125           130           135           140
95
96   AAG CAG TGC TCC GCT GGT TGT GCA GCG ATG GAG AGA CCC AAG CCA GAG      723
97   Lys Gln Cys Ser Ala Gly Cys Ala Ala Met Glu Arg Pro Lys Pro Glu
98       145           150           155
99

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# RAW SEQUENCE LISTING PATENT APPLICATION US/10/023,775

DATE: 01/17/2002  
TIME: 06:51:32

INPUT SET: S36722.raw

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100 GAG AAG CGG TTT CTC CTG GAA GAG CCC ATG CCC TTC TTT TAC CTC AAG 771
101 Glu Lys Arg Phe Leu Leu Glu Glu Pro Met Pro Phe Phe Tyr Leu Lys
102 160 165 170
103
104 TGT TGT AAA ATT CGC TAC TGC AAT TTA GAG GGG CCA CCT ATC AAC TCA 819
105 Cys Cys Lys Ile Arg Tyr Cys Asn Leu Glu Gly Pro Pro Ile Asn Ser
106 175 180 185
107
108 TCA GTG TTC AAA GAA TAT GCT GGG AGC ATG GGT GAG AGC TGT GGT GGG 867
109 Ser Val Phe Lys Glu Tyr Ala Gly Ser Met Gly Glu Ser Cys Gly Gly
110 190 195 200
111
112 CTG TGG CTG GCC ATC CTC CTG CTG CTG GCC TCC ATT GCA GCC GGC CTC 915
113 Leu Trp Leu Ala Ile Leu Leu Leu Leu Ala Ser Ile Ala Ala Gly Leu
114 205 210 215 220
115
116 AGC CTG TCT TGAGCCACGG GACTGCCACA GACTGAGCCT TCCGGAGCAT 964
117 Ser Leu Ser
118
119
120 GGACTCGCTC CAGACCGTTG TCACCTGTTG CATTAAACTT GTTTTCTGTT GAAAAAAAAA 1024
121
122 AA 1026
123
124
125 (2) INFORMATION FOR SEQ ID NO: 2:
126
127 (i) SEQUENCE CHARACTERISTICS:
128 (A) LENGTH: 223 amino acids
129 (B) TYPE: amino acids
130 (D) TOPOLOGY: linear
131
132 (ii) MOLECULE TYPE: protein
133
134 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
135
136
137 Met Arg Leu Gln Arg Pro Arg Gln Ala Pro Ala Gly Gly Arg Arg Ala
138 1 5 10 15
139
140 Pro Arg Gly Gly Arg Gly Ser Pro Tyr Arg Pro Asp Pro Gly Arg Gly
141 20 25 30
142
143 Ala Arg Arg Leu Arg Arg Phe Gln Lys Gly Gly Glu Gly Ala Pro Arg
144 35 40 45
145
146 Ala Asp Pro Pro Trp Ala Pro Leu Gly Thr Met Ala Leu Leu Ala Leu
147 50 55 60
148
149 Leu Leu Val Val Ala Leu Pro Arg Val Trp Thr Asp Ala Asn Xaa Thr
150 65 70 75 80
151
152 Ala Arg Gln Arg Asp Pro Xaa Asp Ser Gln Arg Thr Asp Glu Gly Asp

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AGE: 4

# RAW SEQUENCE LISTING PATENT APPLICATION US/10/023,775

 DATE: 01/17/2002  
 TIME: 06:51:32

INPUT SET: S36722.raw

	85	90	95
153			
154			
155	Asn Arg Val Trp Cys His Val Cys Glu Arg Glu Asn Thr Phe Glu Cys		
156	100	105	110
157			
158	Gln Asn Pro Arg Arg Cys Lys Trp Thr Glu Pro Tyr Cys Val Ile Ala		
159	115	120	125
160			
161	Ala Val Lys Ile Phe Pro Arg Phe Phe Met Val Ala Lys Gln Cys Ser		
162	130	135	140
163			
164	Ala Gly Cys Ala Ala Met Glu Arg Pro Lys Pro Glu Glu Lys Arg Phe		
165	145	150	155
166			
167	Leu Leu Glu Glu Pro Met Pro Phe Phe Tyr Leu Lys Cys Cys Lys Ile		
168	165	170	175
169			
170	Arg Tyr Cys Asn Leu Glu Gly Pro Pro Ile Asn Ser Ser Val Phe Lys		
171	180	185	190
172			
173	Glu Tyr Ala Gly Ser Met Gly Glu Ser Cys Gly Gly Leu Trp Leu Ala		
174	195	200	205
175			
176	Ile Leu Leu Leu Leu Ala Ser Ile Ala Ala Gly Leu Ser Leu Ser		
177	210	215	220
178			
179			
180			
181			

AGE: 1

**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/10/023,775**

DATE: 01/17/2002  
TIME: 06:51:33

**INPUT SET: S36722.raw**

ne

Error

Original Text

Mandatory Value Not Present  
Unknown or Misplaced Identifier  
Unknown or Misplaced Identifier  
Unknown or Misplaced Identifier  
Unknown or Misplaced Identifier  
Wrong application Serial Number

(i) APPLICANT:  
(A) NAME: Boehringer Mannheim GmbH  
(B) STREET: Sandhofer Str. 112-132  
(C) CITY: Mannheim  
(E) COUNTRY: Germany  
(F) POSTAL CODE: 68305  
(A) APPLICATION NUMBER:US/09/977,801

AGE: 1

**SEQUENCE MISSING ITEM REPORT**  
**PATENT APPLICATION US/10/023,775**

DATE: 01/17/2002  
TIME: 06:51:33

*INPUT SET: S36722.raw*

DDRESSEE  
REET  
ITY  
ATE  
OUNTRY  
IP  
ORRESPONDENCE ADDRESS  
CLASSIFICATION